13281

# UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. L8612.04120

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### TO THE COMMISSIONER FOR PATENTS

Mail Stop Patent Application P.O. Box 1450 Alexandria, VA 22313-1450

|         |        |               |             |             |                  |        | Alexandr                | ia, VA 22313-1450           | 9                                                    |
|---------|--------|---------------|-------------|-------------|------------------|--------|-------------------------|-----------------------------|------------------------------------------------------|
| Transr  | nitte  | d her         | ewith fo    | or f        | iling under 35   | U.S    | .C. 111(a) a            | and 37 C.F.R. 1.53          | త<br>3(b) is a new utility patent application for an |
| inventi |        |               | d:<br>SK DE | <b>1/1/</b> | ~TC              |        |                         |                             |                                                      |
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|         |        |               |             |             |                  |        |                         | . , ,                       |                                                      |
| Enclo   | sed a  | are:          |             |             |                  |        | Applic                  | ation Elements              |                                                      |
| 4       | 1529   | <b>-</b>      |             |             |                  |        |                         | da a sile a diferitari      |                                                      |
| 1.      | X      | FIII          | ig tee a    | as c        | calculated and   | ı trar | ismiπed as              | described below             |                                                      |
| 2.      | ×      | Spe           | ecificati   | on          | having           |        | 45                      | pages and i                 | including the following:                             |
|         |        |               |             |             | <del></del>      |        |                         |                             |                                                      |
|         | a.     | ×             | Desci       | ripti       | ive Title of the | e Inv  | ention                  |                             |                                                      |
|         | b.     |               | Cross       | s Re        | eferences to I   | Relat  | ed Applicati            | ions <i>(if applicable)</i> | )                                                    |
|         | C.     |               | State       | me          | nt Regarding     | Fede   | erally-spons            | ored Research/De            | evelopment (if applicable)                           |
|         | d.     |               | Refer       | enc         | ce to Sequen     | ce Li  | sting, a Tab            | le. or a Computer           | Program Listing Appendix                             |
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|         | g.     | ×             | Brief       | Des         | scription of the | e Dra  | awings <i>(if fil</i> e | ed)                         |                                                      |
|         | h.     | ×             | Detail      | led         | Description      |        |                         |                             |                                                      |
|         | i.     | ×             | Claim       | ı(s)        | as Classified    | Belo   | ow                      |                             |                                                      |
|         | j.     | ×             | Abstr       | act         | of the Disclos   | sure   |                         |                             |                                                      |

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(Only for new nonprovisional applications under 37 CFR 1.53(b))

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| 3.  | ×           | Drawing(s) (when necessary as prescribed by 35 USC 113)                                                                                                                                                                                                                                                        |
|-----|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     | a.          | Solution Formal Number of Sheets 27                                                                                                                                                                                                                                                                            |
|     | b.          | ☐ Informal Number of Sheets                                                                                                                                                                                                                                                                                    |
| 4.  | X           | Oath or Declaration                                                                                                                                                                                                                                                                                            |
|     | a.          | ☑ Newly executed (original or copy) ☐ Unexecuted                                                                                                                                                                                                                                                               |
|     | b.          | ☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)                                                                                                                                                                                                                |
|     | C.          | ☑ With Power of Attorney ☐ Without Power of Attorney                                                                                                                                                                                                                                                           |
|     | d.          | ☐ <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).                                                                                                                                                          |
| 5.  |             | Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. |
| 6.  |             | CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)                                                                                                                                                                                                                                        |
| 7.  | X           | Application Data Sheet (See 37 CFR 1.76)                                                                                                                                                                                                                                                                       |
| 8.  |             | Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)                                                                                                                                                                                                                         |
|     | a.          | ☐ Computer Readable Form (CRF)                                                                                                                                                                                                                                                                                 |
|     | b.          | ☐ Specification Sequence Listing on:                                                                                                                                                                                                                                                                           |
|     |             | i. CD-ROM or CD-R (2 copies); or                                                                                                                                                                                                                                                                               |
|     |             | ii. 🔲 Paper                                                                                                                                                                                                                                                                                                    |
|     | C.          | Statement(s) Verifying Identical Paper and Computer Readable Copy                                                                                                                                                                                                                                              |
|     |             | Accompanying Application Parts                                                                                                                                                                                                                                                                                 |
| 9.  | $\boxtimes$ | Assignment Papers (cover sheet & document(s))                                                                                                                                                                                                                                                                  |
| 10. |             | 37 CFR 3.73(B) Statement (when there is an assignee)                                                                                                                                                                                                                                                           |
| 11. |             | English Translation Document (if applicable)                                                                                                                                                                                                                                                                   |
| 12. |             | Information Disclosure Statement/PTO-1449   Copies of IDS Citations                                                                                                                                                                                                                                            |
| 13. |             | Preliminary Amendment                                                                                                                                                                                                                                                                                          |
| 14. | X           | Return Receipt Postcard (MPEP 503) (Should be specifically itemized)                                                                                                                                                                                                                                           |
| 15. |             | Certified Copy of Priority Document(s) (if foreign priority is claimed)                                                                                                                                                                                                                                        |
| 16. |             | Certificate of Mailing                                                                                                                                                                                                                                                                                         |
|     |             | ☐ First Class ☐ Express Mail (Specify Label No.):                                                                                                                                                                                                                                                              |
|     |             |                                                                                                                                                                                                                                                                                                                |

**Application Elements (Continued)** 

## **UTILITY PATENT APPLICATION TRANSMITTAL** (Large Entity)

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| Claim for Priori                                                     | res (please identify below):                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|
| Claim for Priori                                                     | ty                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |
|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| Request                                                              | That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |
| published pursu                                                      | U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be ant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed is has not and will not be the subject of an application filed in another country, or undeternational agreement, that requires publication of applications 18 months after filing.                                                                                                                                      |  |  |  |  |  |  |  |
|                                                                      | Warning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |
| country or und<br>must notify th<br>such foreign o<br>within the pre | who makes a request not to publish, but who subsequently files in a foreigner a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i) are Director of such filing not later than 45 days after the date of the filing of international application. A failure of the applicant to provide such notice scribed period shall result in the application being regarded as abandoned own to the satisfaction of the Director that the delay in submitting the notice that |  |  |  |  |  |  |  |
|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
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### Fee Calculation and Transmittal

### **CLAIMS AS FILED** #Filed #Allowed For #Extra Rate Fee **Total Claims** 33 - 20 = \$234.00 13 \$18.00 Indep. Claims 1 - 3 = 0 \$86.00 \$0.00 Multiple Dependent Claims (check if applicable) \$0.00 \$770.00 **BASIC FEE** OTHER FEE (specify purpose) **Assignment Recordation** \$40.00 **TOTAL FILING FEE** \$1,044.00

A check in the amount of

\$1,044.00

to cover the filing fee is enclosed.

The Director is hereby authorized to charge and credit Deposit Account No.

19-4375

as described below.

☐ Charge the amount of

as filing fee.

☑ Credit any overpayment.

☑ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.

Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance,

pursuant to 37 C.F.R. 1.311(b).

Signature

Dated: May 20, 2004

James E. Ledbetter, Reg. No. 28,732

STEVENS, DAVIS, MILLER & MOSHER, LLP

1615 L. Street, NW, Suite 850

Washington, DC 20036

TEL: 202.785.0100 FAX: 202.408.5200

CC:

PATENT TRADEMARK OFFICE